

## EMC Water Eater Wastewater Evaporator

Mfg: EMC

Model: 120G-SS

Stock No. ECTS001.10

Serial No. 6590704

EMC Water Eater Wastewater Evaporator. Model 120G-SS. S/N 6590704. 316L Stainless Steel Tank. Covers & stack, 12 gauge, maximum evaporation rate 17 gph: Batch Mode 12 gph: Auto-Fill Mode. Tank capacity 120 gallons. Tank construction 12 Gauge Tank w/ 1 in. Insulation; 16 gauge painted exterior tank height 36 in. Heating System Gas: Natural gas or propane; 200,000 btu; 81 in. x 6-1/2 in. Heat exchanger dimensions 43 in. L x 35 in. W x 54 in. H. Utility requirements 3/4 in. Gas line 7 in. to 14 in. W.C. 120 VAC/13 Amp/1 Ph Drain Funnel Floor; 2 in. Drain & plug.







# **WATER EATER Model 120G**

## **Wastewater Evaporator**

**12 to 17 GPH**  
**Natural Gas/Propane Heat**  
**120 Gallon Capacity**

The Model 120G is a natural gas or propane heated waste water evaporator. It is available in two models, the Model 120G Carbon Steel version and the Model 120G-SS 316L Stainless Steel version (tank, floor, lid, covers, and stack are 316L SS). Typical applications include minimizing wastewater from machining operations, parts washing equipment, compressor condensate, mop water, die cast solutions, and many other water based waste streams. Installation is easy consisting of only a 120V electrical hookup, a 10" diameter vent stack, and a 3/4" standard pressure gas line. The unit can be filled three different ways: (1) Using the supplied 2" coupling on the top of the unit; (2) Remove the lid and manually pour in fluid; or (3) Using the optional 70 GPM self priming fill pump. After an initial heat up time of approximately one hour, the Model 120G will evaporate from 12 to 17 gallons per hour of water. The Model 120G will automatically shut itself down via a low level control. A secondary high temperature shutoff is also provided. When a cycle is completed the waste material can either be drained or vacuumed out of the unit through the removable lid, with a wet/dry vacuum or pump, or, if it is a solid material, scooped out. To facilitate cleanout, the interior tank of the 120G is sloped towards the 2" outlet. The "U" shape burner tube is located around the perimeter of the process tank allowing access between the tubes.

### **FEATURES & BENEFITS**

- Heavy Duty 12 Gauge Tank, Covers, & Stack (Carbon or 316L Stainless Steel)
- Adjustable Burner (Natural Gas or Propane) with electronic ignition, flame rectification system, and air pressure sensor.
- Automatic Shutoffs (Low Level Control & High Temperature Shutdown) for unattended operation
- Simple one button ON/OFF operation
- Removable Lid for fast and easy Cleanout.
- Fully Insulated Tank.
- Variable weir oil skimmer.
- Power exhaust allows venting to outdoors
- Quality polyurethane finish
- Tank Top at convenient 36" height to facilitate cleanout
- Easily installed requiring only a vent stack, electrical hookup, and gas line.
- Industry Standardized Components. Most parts are available from major industrial supply houses. You are not held hostage by high mark up on "captive" parts only available by the original equipment manufacturer.
- [Optional 70 GPM Self Priming Feed Pump](#)
- [Optional Auto Fill System](#)
- One Year Warranty on Parts & Workmanship

## SPECIFICATIONS

Maximum Evaporation Rate	17 GPH: Batch Mode 12 GPH: Auto-Fill Mode
Tank Capacity	120 Gallons
Tank Construction	12 Gauge Tank w/ 1in. Insulation; 16 Gauge Painted Exterior
Tank Height	36 in.
Heating System	Gas: Natural Gas or Propane; 200,000 BTU; 81 in. x 6-1/2 in. Heat Exchanger
Dimensions	43 in. L x 35 in. W x 54 in. H
Utility Requirements	3/4 in. Gas Line 7 in. to 14 in. W.C. 120 VAC/13 Amp/1 Ph
Drain	Funnel Floor; 2 in. Drain & Plug